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5 JUL 1963

MEMORANDUM FOR : Acting Deputy Director (Research)
SUBJECT : CORONA Damage on Mission 9054

1. This memorandum is for information only.
2. CORONA Mission 9054 had CORONA marking on portions (a few percent) of the take from one camera. While generally the CORONA marking problem had been considered under control, procedural problems allowed a partially defective piece of equipment to fly. Deficiencies on this particular camera were noted in test prior to flight and corrective measures were made. The equipment was not retested. Subsequent to the launch of this mission, defective batches of rollers were noted by the camera manufacturer. A test program to determine control procedures was undertaken.
3. The following corrective action has been taken to prevent occurrences of this nature in the future:
 - a. At LMSC, a review will be made, at management level, of test results and deviations. In addition, appropriate sign-off on test results will be made by the associate contractors. LMSC will put further emphasis that final vacuum chamber test will be done on final flight configuration.
 - b. At Itak, revised rubber processing and compounding techniques have been instituted and a stricter watch will be made on quality control at the vendors.

One particular compound and curing system has been found to give superior results. Investigation will continue in an effort to find and remove the basic cause for the CORONA marking.

JACK C. LEDFORD
COLONEL, USAF
Assistant Director
(Special Activities)

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A.F. [redacted] DD/OSA: mvp (3 July 63)

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